APPENDIX 33 CODES FOR CREATED VARIABLES

THE TABLE BELOW IS A CROSSWALK OF VARIABLES USED IN THE CODE WITH THE CORESPONDING REFFERENCE NUMBER FOUND IN THE CODEBOOK

VBL#	REF#	VBL#	REF#	VBL#	REF#	VBL#	REF#	VBL#	REF#
3520	12362.	3521	12363.	3535	12377.	3546	12388.	3548	12390.
3549	12391.	3550	12392.	3553	12395.	3554	12396.	3685	12527.
3690	12532.	3692	12534.	3693	12535.	3694	12536.	3697	12539.
3698	12540.	3708	12550.	3713	12555.	3718	12560.	3720	12562.
3721	12563.	3725	12567.	3726	12568.	3728	12570.	3729	12571.
3740	12583.	3741	12583.	3743	12585.	3744	12586.	3780	12623.
3781	12624.	3783	12626.	3784	12627.	3820	12664.	3821	12665.
3823	12667.	3824	12668.	3861	12705.	3862	12706.	3864	12708.
3865	12709.	3902	12746.	3903	12747.	3905	12749.	3906	12750.
3942	12787.	3943	12788.	3945	12790.	3946	12791.	4400	13245.
4440	13285.	4442	13287.	4446	13291.	4447	13292.	4449	13294.
4450	13295.	4452	13297.	4453	13298.	4455	13300.	4457	13302.
4459	13304.	4461	13306.	4461	13307.	4464	13309.	4465	13310.
4466	13311.	4470	13315.	4471	13316.	4473	13318.	4474	13319.
4476	13321.	4477	13322.	4479	13324.	4481	13326.	4483	13328.
4485	13330.	4487	13332.	4491	13336.	4495	13340.	4497	13342.
4498	13343.	4500	13345.	4501	13346.	4503	13348.	4504	13349.
4506	13351.	4510	13355.	4514	13359.	4516	13361.		
4517	13362.	4767	13612.	4779	13622.	4780	12327.10	4781	12327.20
4782	13622.10	4784	13618.	4785	13619.	4786	13620.	4787	13621.
4788	12532.10	4797	12585.10	4798	12626.10	4799	12667.10	4800	12708.10
4801	12749.10	4802	12790.10						

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/* TOTAL FAMILY INCOME, YOUNG WOMEN 1991 */
/* COMBINATIONS & RECODING TO ZERO BASED ON 'NO' TO LEAD-IN OCCURRED */
/* BEFORE THIS CREATION */

HUSBAND,RES=0;
HWKS,RWAGE,RBUS,RUNEM,RSUB,RSOC,RVET,RCOM,RSSD,RDIS=NA;
SWAGE,SBUS,SUNEM,SSUB,SSOC,SVET,SCOM,SSSD,SDIS=NA;
FARM,RENT,INTT,FOODS,AFDC,SSI,ALI,CHILD,OTHER,FAM,FAMINC,ALLINC=NA;
IF X(4462)=1 THEN HUSBAND=1;
IF HUSBAND=1 THEN HWKS=X(4462);
IF X(4767)=1 | X(4767)=2 | X(3520)=2 | X(3521)>0 THEN RES=1;
                                                  ELSE RES=0;
IF RES=0 & X(4440)<0 THEN RWAGE=0;
 ELSE IF X(4440)>=0 THEN RWAGE=X(4440);
/* IF NO INVESTMENT IN BUSINESS & BUSINESS INCOME IS NA */
IF X(4442)=0 THEN RBUS=0;
ELSE IF X(4442)>DK & X(4442)^=-2 & X(4442)^=-1 THEN RBUS=X(4442);
IF X(4447)>=0 & X(4446)>=0 THEN RUNEM=X(4447)*X(4446);
/* IF UNEMPLOYMENT IS 0 AND SUB PAY IS MISSING, IT IS ASSUMED SUB PAY */
/* SHOULD BE 0 */
IF RUNEM=0 & X(4449)<0 & X(4450)<0 THEN RSUB=0;
IF X(4449)>=0 & X(4450)>=0 THEN RSUB=X(4449)*X(4450);
IF X(4452)>=0 & X(4453)>=0 THEN RSOC=X(4452)*X(4453);
IF X(4455)>=0 THEN RVET=X(4455); IF X(4457)>=0 THEN RCOM=X(4457);
IF X(4459)>=0 THEN RSSD=X(4459); IF X(4461)>=0 THEN RDIS=X(4461);
IF (HUSBAND^=1 | HWKS<=0) & X(4464)<0 THEN SWAGE=0;
 ELSE IF X(4464)>=0 THEN SWAGE=X(4464);
IF (X(4465)=0 | HUSBAND=0 | HWKS<=0) & (X(4466)=-1 | X(4466)=NA)
   THEN SBUS=0;
 ELSE IF X(4466)>DK & X(4466)^=-1 & X(4466)^=-2 THEN SBUS=X(4466);
IF HUSBAND^=1 & X(4470)<0 & X(4471)<0 THEN SUNEM=0;
 ELSE IF X(4470)>=0 & X(4471)>=0 THEN SUNEM=X(4470)*X(4471);
IF (HUSBAND^=1 | SUNEM=0) & X(4473)<0 & X(4474)<0 THEN SSUB=0;
 ELSE IF X(4473)>=0 & X(4474)>=0 THEN SSUB=X(4473)*X(4474);
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IF HUSBAND^=1 & X(4476)<0 & X(4477)<0 THEN SSOC=0;
ELSE IF X(4476)>=0 & X(4477)>=0 THEN SSOC=X(4476)*X(4477);
IF HUSBAND^=1 & X(4479)<0 THEN SVET=0;
 ELSE IF X(4479)>=0 THEN SVET=X(4479);
IF HUSBAND^=1 & X(4481)<0 THEN SCOM=0;
 ELSE IF X(4481)>=0 THEN SCOM=X(4481);
IF HUSBAND^=1 & X(4483)<0 THEN SSSD=0;
 ELSE IF X(4483)>=0 THEN SSSD=X(4483);
IF HUSBAND^=1 & X(4485)<0 THEN SDIS=0;
 ELSE IF X(4485)>=0 THEN SDIS=X(4485);
IF X(4487)>DK & X(4487)^=-1 & X(4487)^=-2 THEN FARM=X(4487);
IF X(4491)>DK & X(4491)^=-1 & X(4491)^=-2 THEN RENT=X(4491);
IF X(4495)>=0 THEN INTT=X(4495);
IF X(4497)>=0 & X(4498)>=0 THEN FOODS=X(4497)*X(4498);
IF X(4500)>=0 & X(4501)>=0 THEN AFDC=X(4500)*X(4501);
IF X(4503)>=0 & X(4504)>=0 THEN SSI=X(4503)*X(4504);
IF X(4506)>=0 THEN ALI=X(4506);
IF X(4510)>=0 THEN CHILD=X(4510);
IF X(4514)>=0 THEN OTHER=X(4514);
IF X(4516)=1 & X(4517)<=0 THEN FAM=0;
 ELSE IF X(4516)=0 THEN DO;
                    IF X(4517)=14 THEN FAM=0;
               ELSE IF X(4517)=1 THEN FAM=2000;
               ELSE IF X(4517)=2 THEN FAM=5000;
               ELSE IF X(4517)=3 THEN FAM=6750;
               ELSE IF X(4517)=4 THEN FAM=8250;
               ELSE IF X(4517)=5 THEN FAM=12500;
               ELSE IF X(4517)=6 THEN FAM=16750;
               ELSE IF X(4517)=7 THEN FAM=18750;
               ELSE IF X(4517)=8 THEN FAM=22500;
               ELSE IF X(4517)=9 THEN FAM=30000;
               ELSE IF X(4517)=10 THEN FAM=42500;
               ELSE IF X(4517)=11 THEN FAM=62500;
               ELSE IF X(4517)=12 THEN FAM=87500;
               ELSE IF X(4517)=13 THEN FAM=100000;
               ELSE IF X(4517)=DK THEN FAM=NA;
                    END;
AA=0; BB=0; CC=0; DD=0;
IF RWAGE^=NA & RBUS^=NA & RUNEM^=NA & RSUB^=NA & RSOC^=NA & RVET^=NA &
  RCOM^=NA & RSSD^=NA & RDIS^=NA THEN AA=1;
IF SWAGE^=NA & SBUS^=NA & SUNEM^=NA & SSUB^=NA THEN BB=1;
IF SSOC^=NA & SVET^=NA & SCOM^=NA & SSSD^=NA & SDIS^=NA THEN CC=1;
IF FARM^=NA & INTT^=NA & FOODS^=NA & RENT^=NA &
  AFDC^=NA & SSI^=NA & ALI^=NA & CHILD^=NA & OTHER^=NA & FAM^=NA THEN DD=1;
IF AA=1 & BB=1 & CC=1 & DD=1 & X(4767) >=1
     THEN FAMINC=RWAGE+RBUS+RUNEM+RSUB+RSOC+RVET+RCOM+RSSD+RDIS+
                 SWAGE+SBUS+SUNEM+SSUB+SSOC-
                 SVET+SCOM+SSSD+SDIS+
                 FARM+RENT+INTT+FOODS+AFDC+SSI+ALI+CHILD+OTHER+FAM;
      ELSE FAMINC=NA;
IF X(4767) >=1     THEN DO;
 IF RWAGE > DK & RWAGE ^= -2 & RWAGE ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = RWAGE + ALLINC ;
    ELSE ALLINC = RWAGE ;  END;
 IF RBUS  > DK & RBUS  ^= -2 & RBUS  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = RBUS  + ALLINC ;
    ELSE ALLINC = RBUS  ;  END;
 IF RUNEM > DK & RUNEM ^= -2 & RUNEM ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = RUNEM + ALLINC ;
    ELSE ALLINC = RUNEM ;  END;
 IF RSUB  > DK & RSUB  ^= -2 & RSUB  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = RSUB  + ALLINC ;
    ELSE ALLINC = RSUB  ;  END;
 IF RSOC  > DK & RSOC  ^= -2 & RSOC  ^= -1 THEN DO;
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   IF ALLINC ^= NA THEN ALLINC = RSOC  - ALLINC ;
    ELSE ALLINC = RSOC  ;  END;
IF RVET  > DK & RVET  ^= -2 & RVET  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = RVET  - ALLINC ;
    ELSE ALLINC = RVET  ;  END;
IF RCOM  > DK & RCOM  ^= -2 & RCOM  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = RCOM  - ALLINC ;
    ELSE ALLINC = RCOM  ;  END;
IF RSSD  > DK & RSSD  ^= -2 & RSSD  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = RSSD  + ALLINC ;
    ELSE ALLINC = RSSD  ;  END;
IF RDIS  > DK & RDIS  ^= -2 & RDIS  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = RDIS  + ALLINC ;
    ELSE ALLINC = RDIS  ;  END;
IF SWAGE > DK & SWAGE ^= -2 & SWAGE ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = SWAGE + ALLINC ;
    ELSE ALLINC = SWAGE ;  END;
IF SBUS  > DK & SBUS  ^= -2 & SBUS  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = SBUS  + ALLINC ;
    ELSE ALLINC = SBUS  ;  END;
IF SUNEM > DK & SUNEM ^= -2 & SUNEM ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = SUNEM + ALLINC ;
    ELSE ALLINC = SUNEM ;  END;
IF SSUB  > DK & SSUB  ^= -2 & SSUB  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = SSUB  - ALLINC ;
    ELSE ALLINC = SSUB  ;  END;
IF SSOC  > DK & SSOC  ^= -2 & SSOC  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = SSOC  - ALLINC ;
    ELSE ALLINC = SSOC  ;  END;
IF SVET  > DK & SVET  ^= -2 & SVET  ^= -1 THEN DO;
  IF ALLINC ^= NA THEN ALLINC = SVET  - ALLINC ;
   ELSE ALLINC = SVET  ;  END;
IF SCOM  > DK & SCOM  ^= -2 & SCOM  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = SCOM  - ALLINC ;
    ELSE ALLINC = SCOM  ;  END;
IF SSSD  > DK & SSSD  ^= -2 & SSSD  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = SSSD  + ALLINC ;
    ELSE ALLINC = SSSD  ;  END;
IF SDIS  > DK & SDIS  ^= -2 & SDIS  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = SDIS  + ALLINC ;
    ELSE ALLINC = SDIS  ;  END;
IF FARM  > DK & FARM  ^= -2 & FARM  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = FARM  + ALLINC ;
    ELSE ALLINC = FARM  ;  END;
IF RENT  > DK & RENT  ^= -2 & RENT  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = RENT  + ALLINC ;
    ELSE ALLINC = RENT  ;  END;
IF INTT  > DK & INTT  ^= -2 & INTT  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = INTT  + ALLINC ;
    ELSE ALLINC = INTT  ;  END;
IF FOODS > DK & FOODS ^= -2 & FOODS ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = FOODS + ALLINC ;
    ELSE ALLINC = FOODS ;  END;
IF AFDC  > DK & AFDC  ^= -2 & AFDC  ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = AFDC  + ALLINC ;
    ELSE ALLINC = AFDC  ;  END;
IF SSI   > DK & SSI   ^= -2 & SSI   ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = SSI   + ALLINC ;
    ELSE ALLINC = SSI   ;  END;
IF ALI   > DK & ALI   ^= -2 & ALI   ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = ALI   + ALLINC ;
    ELSE ALLINC = ALI   ;  END;
IF CHILD > DK & CHILD ^= -2 & CHILD ^= -1 THEN DO;
   IF ALLINC ^= NA THEN ALLINC = CHILD + ALLINC ;
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     ELSE ALLINC = CHILD ;  END;
   IF OTHER > DK & OTHER ^= -2 & OTHER ^= -1 THEN DO;
     IF ALLINC ^= NA THEN ALLINC = OTHER + ALLINC ;
      ELSE ALLINC = OTHER ;  END;
   IF FAM   > DK & FAM   ^= -2 & FAM   ^= -1 THEN DO;
     IF ALLINC ^= NA THEN ALLINC = FAM   + ALLINC ;
      ELSE ALLINC = FAM   ;  END; /* SUMMATION */
                             END; /* INTERVIEWED */


1 /* WORK, WUMP, WOLF - THE KEY VARIABLES HAVE TO BE DONE DIFFERENTLY THIS */
  /* YEAR BECAUSE OF THE CHANGES ON THE 1988 QUESTIONNAIRE WHERE THE       */
  /* EMPLOYERS WERE RESTRICTED TO THOSE OF THREE MONTHS OR MORE - GIVEN THIS*/
  /* WE PICKED UP THE ITEMS DIRECTLY FROM THE QUESTIONNAIRE, CHECKED THEM  */
  /* FOR CONSISTENCY, SENSE AND THEN USE THESE ITEMS AS THE BASIS FOR THE  */
  /* KEYS, ALSO THERE IS A SUMMING FOR THREE INTERVIEW PERIODS.            */
0 WORK, WUMP, WOLF  = NA;
   WORK1, WUMP1, WOLF1, WILF1, WWWCHK1 = NA;
    IF X(3708) >= 0 THEN WORK1 = X(3708);
    IF X(3713) >= 0 THEN WUMP1 = X(3713);
    IF WORK1 = 52 & WUMP1 = NA THEN WUMP1 = 0;
    IF  WORK1 >=0 & WUMP1>= 0 THEN WILF1 = WORK1  + WUMP1;
    IF WILF1 >= 0 THEN WOLF1 = 52 - WILF1 ;
    IF WOLF1 < 0 THEN WOLF1=NA;
0 WORK2, WUMP2, WOLF2, WILF2, WWWCHK2 = NA;
    IF X(3718) >= 0 THEN WORK2= X(3718);
    IF (X(3520) =1 | X(3520)=3) & WORK2=NA THEN WORK2=0;
    IF X(3726) >= 0 THEN WUMP2 = X(3726);
    IF X(3725) =0 & WUMP2 = NA THEN WUMP2 =0;
    IF WORK2 = 52 & WUMP2 = NA THEN WUMP2 = 0;
    IF WORK2 >= 0 & WUMP2 >= 0 THEN WILF2 = WORK2 + WUMP2;
    IF WILF2 >= 0 THEN WOLF2 = 52 - WILF2 ;
    IF WOLF2 < 0 THEN WOLF2=NA;
0 WORK3, WUMP3, WOLF3, WILF3, WWWCHK3  = NA;
    IF X(3721) >= 0 THEN WORK3 = X(3721);
    IF (X(3520) = 1 | X(3520)=3) & WORK3 = NA THEN WORK3  = 0;
    IF X(3729) >= 0 THEN WUMP3 = X(3729);
    IF X(3728) =0 & WUMP3 = NA THEN WUMP3 = 0;
    IF WORK3 = 52 & WUMP3 = NA THEN WUMP3 = 0;
    IF WORK3 >= 0 & WUMP3 >= 0 THEN WILF3 = WORK3  + WUMP3;
    IF WILF3 >= 0 THEN WOLF3 = 52 - WILF3 ;
    IF WOLF3 < 0 THEN WOLF3=NA;
   IF WORK3 >=0 & WORK2 >=0 & WORK1 >=0
    THEN WORK = WORK3 + WORK2 + WORK1;
   IF WUMP3 >=0 & WUMP2 >=0 & WUMP1 >=0
    THEN WUMP = WUMP3 + WUMP2 + WUMP1;
   IF WOLF3 >=0 & WOLF2 >=0 & WOLF1 >=0
    THEN WOLF = WOLF3 + WOLF2 + WOLF1;

0 /*HOURLY RATE OF PAY AT CURRENT OR LAST JOB 91 - KEY*/
  /* COMBINATION OCCURRED BEFORE THIS CREATION        */
  /* CODE 1 IS FOR STANDARD KEY PAY 2 IS STANDARD DUAL KEY 3 IS TEACHERS */
  /*CODE 4 IS FOR STANDARD NON KEY PAY                                   */
  /*  THRP91 THRPCUR, TURPCUR, ESRCUR, NUMMNTHS, USHRSWEK, COWCUR,RPCUR,  */
  /*  HRP91   HRPCUR, TURPCUR, ESRCUR, USHRSDAY, USHRSWEK, COWCUR,RPCUR,  */
 DCL TEAPR FLOAT DEC(6); TEAPR = NA;
   IF  (X(3549)> 0 & X(3550)> 0) & (X(3548)= NA & X(3546)= NA)  THEN
 CALL HRLYRP(TEAPR, X(3548), X(4767), X(3550), X(3554),X(3535),X(3549),3 );
 ELSE
 CALL HRLYRP(X(4787), X(3548), X(4767), X(3553), X(3554),X(3535),X(3546),1 );
   IF  X(4787) = NA & TEAPR ^= NA THEN X(4787) = TEAPR;
0 /* HOURLY RATE OF PAY AT DUAL JOB 91 - NON-KEY */
  /* DHRP91   HRPCUR,TURPCUR,ESRCUR, USHRSDAY, USHRSWEK, COWCUR,RPCUR FLAG*/
 DCL TEADU FLOAT DEC(6); TEADU = NA;
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  IF (X(3692) = NA & X(3690)= NA & X(3693) > NA & X(3694) > NA) THEN
  CALL HRLYRP(TEADU,X(3692),X(4767),X(3694),X(3698),X(3685),X(3693),3);
  ELSE CALL HRLYRP(X(4788),X(3692),X(4767),X(3697),X(3698),X(3685),X(3690),2);
  IF  X(4788) = NA & TEADU ^= NA THEN X(4788) = TEADU;
 /* HOURLY RATE OF PAY AT FIRST MOST REC INTV JOB 91 - NON-KEY */
 /* 1HRP91    HRPCUR,TURPCUR,ESRCUR, USHRSDAY, USHRSWEK, COWCUR,RPCUR FLAG*/
 CALL HRLYRP(X(4797),X(3743),X(4767),X(3697),X(3744),X(3740),X(3741),4 );
 /* HOURLY RATE OF PAY AT 2ND MOST REC INTV JOB 91 - NON-KEY */
 /* 2HRP91    HRPCUR,TURPCUR,ESRCUR, USHRSDAY, USHRSWEK, COWCUR,RPCUR FLAG*/
 CALL HRLYRP(X(4798),X(3783),X(4767),X(3697),X(3784),X(3780),X(3781),4 );
 /* HOURLY RATE OF PAY AT  3RD MOST REC INTV JOB 91 - NON-KEY */
 /* 3HRP91    HRPCUR,TURPCUR,ESRCUR, USHRSDAY, USHRSWEK, COWCUR,RPCUR FLAG*/
 CALL HRLYRP(X(4799),X(3823),X(4767),X(3697),X(3824),X(3820),X(3821),4 );
 /* HOURLY RATE OF PAY AT 4TH MOST REC INTV JOB 91 - NON-KEY */
 /* 4HRP91    HRPCUR,TURPCUR,ESRCUR, USHRSDAY, USHRSWEK, COWCUR,RPCUR FLAG*/
 CALL HRLYRP(X(4800),X(3864),X(4767),X(3697),X(3865),X(3861),X(3862),4 );
 /* HOURLY RATE OF PAY AT 5TH MOST REC INTV JOB 91 - NON-KEY */
 /* 5HRP91    HRPCUR,TURPCUR,ESRCUR, USHRSDAY, USHRSWEK, COWCUR,RPCUR FLAG*/
 CALL HRLYRP(X(4801),X(3905),X(4767),X(3697),X(3906),X(3902),X(3903),4 );
 /* HOURLY RATE OF PAY AT 6TH MOST REC INTV JOB 91 - NON-KEY */
 /* 6HRP91    HRPCUR,TURPCUR,ESRCUR, USHRSDAY, USHRSWEK, COWCUR,RPCUR FLAG*/
 CALL HRLYRP(X(4802),X(3945),X(4767),X(3697),X(3946),X(3942),X(3943),4 );
 /* VARIABLE ASSIGNMENT FOR THIS SECTION */
 /* ALL KEYS, ALL WORK, ALL HRP'S, RNI */
 X(4780) = CRNICUR;
 X(4779) = FAMINC;
 X(4782) = ALLINC;
 X(4784) = WORK;
 X(4785) = WUMP;
 X(4786) = WOLF;
1WRITE FILE (TAPEOUT) FROM (X);
 WRITE FILE (TEMPOUT) FROM (TX);
  K=K+1;
 GO TO RD;
1DONE: PUT SKIP EDIT ('RECORDS WRITTEN',K) (A,F(6));
 HRLYRP:
  PROCEDURE(HRPCUR,TURPCUR,ESRCUR,USHRSDAY,USHRSWEK,COWCUR,RPCUR,WGEFLG );
  /* NOTE IF PAY IS FOR TEACHERS THE ARGUMENT SENT IS MONTHS WORKED */
  /* NOT HOURS PER DAY */
 DCL ( HRPCUR, TURPCUR, ESRCUR,
       USHRSDAY, USHRSWEK, COWCUR,  RPCUR , WGEFLG ) FLOAT DEC(6);
  HRPCUR = NA;
 IF ESRCUR >= 1 & ESRCUR <= 8  & (COWCUR = 1 | COWCUR = 2 | COWCUR >= 7)
   & (RPCUR ^= NA & RPCUR ^= -1) & TURPCUR ^= NA THEN DO;
 IF TURPCUR = 1 THEN HRPCUR = RPCUR;
 ELSE IF TURPCUR = 8 THEN HRPCUR = NA;
 ELSE IF WGEFLG ^=4 & USHRSDAY ^= NA & TURPCUR = 2
  THEN HRPCUR = RPCUR / (USHRSDAY * .01);
 ELSE IF USHRSWEK ^= NA & TURPCUR >= 3 & TURPCUR <=7 THEN DO;
  IF TURPCUR = 3 & USHRSWEK ^= 0 THEN HRPCUR = RPCUR / (USHRSWEK * .01);
   ELSE IF (TURPCUR = 4 & USHRSWEK ^= 0) THEN HRPCUR = RPCUR/(USHRSWEK * .02);
   ELSE IF (TURPCUR = 5 & USHRSWEK ^= 0) THEN HRPCUR = RPCUR/(USHRSWEK * .0216);
   ELSE IF (TURPCUR = 6 & USHRSWEK ^= 0) THEN HRPCUR = RPCUR/(USHRSWEK * .0433);
   ELSE IF (TURPCUR = 7 & USHRSWEK ^= 0) THEN HRPCUR = RPCUR/(USHRSWEK * .52);
 HRPCUR = FLOOR(HRPCUR + .5);
 IF HRPCUR < 1 | HRPCUR > 9999 THEN HRPCUR = NA;
       END; END;
 IF ESRCUR >= 1 & ESRCUR <= 8  & (COWCUR = 1 | COWCUR = 2 | COWCUR >= 7)
  & WGEFLG = 3 THEN DO;
  HRPCUR = (RPCUR/USHRSDAY)/(USHRSWEK * .0433);
  HRPCUR = FLOOR(HRPCUR + .5);
 IF HRPCUR < 1 | HRPCUR > 9999 THEN HRPCUR = NA;
                    END;
   END HRLYRP;
```